## TITLE 410 INDIANA STATE DEPARTMENT OF HEALTH

## Agency Correction

LSA Document #12-157(AC)

Under <u>IC 4-22-2-38</u>, corrects the following typographical, clerical, or spelling errors in LSA Document #12-157(F), posted at <u>20121114-IR-410120157FRA</u>:

(1) In 410 IAC 6-10.1-81, Table VII delete:

Table VII - Table for On-Site Sewage System Selection						
		E				
	Gravity Flow <sup>1</sup>		Flood Dosing			Elevated Sand Mound On-Site Sewage
			or Alt. Fields <sup>1</sup>	Flood Dosing <sup>1</sup>	Pressure Dist.	
Site Requirements	(Sec. 78, 79)		(Sec. 78, 79)	(Sec. 78, 79)	(Sec. 78, 79)	Systems (Sec. 80)
Slope	≤ 15%		≤ 15%	≤15%	≤15%	≤ 6%
Design Daily Flow	≥ 450	< 450	Any	Any	Any	Any
Acceptable Loading Rate	≥ 0.25	≥ 0.25	<u>≥</u> 0.25	≥ 0.25	≥ 0.25	≥ 0.25
Range	≤ 0.75	≤ 0.75	≤ 0.75	≤ 0.75	≤ 1.20	≤ 1.20
Distance from Trench Bottom to Layer That Is Greater Than or Less Than the Permitted Loading Rate for the On-Site Sewage System Type	≥ 30	≥ 24	≥ 24 (≥ 30 may be gravity, all other factors acceptable)	≥ 24	≥ 24	≥ 20 below the ground surface
Distance from Trench						
Bottom to a Soil Horizon			≥ 24 (≥ 30			
Developed from			may be			
Wisconsin Glacial Till			gravity, all			≥ 20 below the
That Shows			other factors			ground
Effervescence <sup>3</sup>	≥ 30	≥ 24	acceptable)	≥ 24	≥ 24	surface
Distance from Trench Bottom to Soil Horizon with < 20% Clay and > 35% Coarse Fragments by Volume	≥ 30	≥ 24	≥ 24 (≥ 30 may be gravity, all other factors acceptable)	≥ 24	≥ 24	≥ 20 below the ground surface
Distance from Trench Bottom to Soil Horizon with > 20% Clay and > 60% Coarse Fragments by Volume	≥ 30	≥ 24	≥ 24 (≥ 30 may be gravity, all other factors acceptable)	≥ 24	≥ 24	≥ 20 below the ground surface
Distance from Trench						≥ 20 below the
Bottom to Seasonal High						ground
Water Table <sup>2</sup>	≥ 24	≥ 24	≥ 24	≥ 24	≥ 24	surface
Total Lineal Feet of Trench	<u>&lt;</u> 500	<u>&lt;</u> 500	≤ 500 for Alt. Fields	Any	Any	N/A

<sup>&</sup>lt;sup>1</sup>These conditions are also suitable for subsurface trench pressure distribution on-site sewage systems.

This chart does not include considerations such as the specific landscape features that must be met, the size of the soil absorption system, the size of the area necessary for construction of the soil absorption system on the contour with necessary setback and separation distances, dispersal area, the diversion of surface drainage, the feasibility of subsurface drainage, the ability to obtain easements, etc.

Date: Feb 19,2017 2:29:49AM EST DIN: 20121226-IR-410120157ACA Page 1

<sup>&</sup>lt;sup>2</sup>For subsurface trench systems, if the distance from trench bottom to seasonal high water table is less than twenty-four (24) inches, drainage must be installed in accordance with section 63 of this rule. For elevated sand mound systems, if the depth of the seasonal high water table is less than twenty (20) inches below the ground surface, drainage must be installed in accordance with section 63 of this rule.

<sup>&</sup>lt;sup>3</sup>See Sections 62(a)(2)(E), 78(b)(6), 79(b)(3)(B), 79(c)(3)(B), 79(d)(2)(B) and 80(b)(5).

This chart does not take into consideration the necessity to pump the effluent to overcome differences in elevation (when a subsurface trench gravity system might otherwise be constructed).

and insert

Table VII - Table for	On-Site S	Sewage S	System Selection	Based on Requ	irements of 410	IAC 6-10.1
	Subsurface Trench On-Site Sewage Systems					
			Flood Dosing			Elevated Sand Mound On-Site
	Gravity	/ Flow <sup>1</sup>	or Alt. Fields <sup>1</sup>	Flood Dosing <sup>1</sup>	Pressure Dist.	Sewage
Site Requirements	(Sec. 78, 79)		(Sec. 78, 79)	(Sec. 78, 79)	(Sec. 78, 79)	Systems (Sec. 80)
Slope	≤ 15%		≤ 15%	≤15%	≤15%	≤ 6%
Design Daily Flow	≥ 450	< 450	Any	Any	Any	Any
Acceptable Loading Rate	≥ 0.25	≥ 0.25	≥ 0.25	≥ 0.25	≥ 0.25	≥ 0.25
Range for Determining System Size	≤ 0.75	≤ 0.75	≤ 0.75	≤ 0.75	≤ 1.20	≤ 1.20
Distance from Trench						
Bottom (Ground Surface						
for Mounds) to Layer with	≥ 30	≥ 24	≥ 24	≥ 24	≥ 24	≥ 20
a Soil Loading Rate <						
0.25 gpd/ft <sup>2</sup>						
Distance from Trench						
Bottom (Ground Surface						
for Mounds) to Layer with	≥ 24	≥ 24	≥ 24	≥ 24	≥ 24	≥ 20
, ,	2 24	224	<u> 2</u>	2 24	2 24	220
a Soil Loading Rate >						
1.20 gpd/ft <sup>2</sup>						
Distance from Trench						
Bottom (Ground Surface					Press. Dist.	
for Mounds) to Layer with	<u>≥</u> 24	<u>≥</u> 24	<u>&gt;</u> 24	<u>≥</u> 24	required for	<u>≥</u> 0
a Soil Loading Rate =					SLR = 1.20	
1.20 gpd/ft <sup>2</sup>						
Distance from Trench						
Bottom (Ground Surface						
for Mounds) to a Soil						
Horizon Developed from	≥ 30	≥ 24	≥ 24	≥ 24	≥ 24	≥ 20
Wisconsin Glacial Till						
That Shows						
Effervescence <sup>3</sup>						
Distance from Trench						
Bottom (Ground Surface for Mounds) to Soil						
for Mounds) to Soil Horizon with < 20% Clay	≥ 30	≥ 24	≥ 24	≥ 24	≥ 24	≥ 20
and > 35% Coarse			_	_		_
Fragments by Volume						
Distance from Trench Bottom (Ground Surface						
for Mounds) to Soil	≥ 30	≥ 24	≥ 24	<u>≥</u> 24	<u>≥</u> 24	≥ 20
Horizon with > 20% Clay and > 60% Coarse	≥ 30	224	<u>2</u>	<u>2</u>	<u> </u>	<u> </u>
Fragments by Volume						
Distance from Trench						
Bottom (Ground Surface			<u>.</u>	<u> </u>		6.5
for Mounds) to Seasonal	≥ 24	≥ 24	≥ 24	≥ 24	≥ 24	≥ 20
High Water Table <sup>2</sup>						
3.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1						

## Indiana Register

Total Lineal Feet of   1500   < 500 for Alt.   Appl			
	Λον	N/A	l
Trench $\leq 500$ $\leq 500$ $\leq 500$ fields Any	Any	IN/A	1

<sup>&</sup>lt;sup>1</sup>These conditions are also suitable for subsurface trench pressure distribution on-site sewage systems.

This chart does not include considerations such as the specific landscape features that must be met, the size of the soil absorption system, the size of the area necessary for construction of the soil absorption system on the contour with necessary setback and separation distances, dispersal area, the diversion of surface drainage, the feasibility of subsurface drainage, the ability to obtain easements, etc.

This chart does not take into consideration the necessity to pump the effluent to overcome differences in elevation (when a subsurface trench gravity system might otherwise be constructed).

(2) In 410 IAC 6-10.1-82(a)(3), delete "150g x" before "DDF".

Filed with Publisher: December 12, 2012, 2:16 p.m.

Under IC 4-22-2-38(g)(2), this correction takes effect 45 days from the date and time filed with the Publisher.

Posted: 12/26/2012 by Legislative Services Agency

An <a href="httml">httml</a> version of this document.

<sup>&</sup>lt;sup>2</sup>For subsurface trench systems, if the distance from trench bottom to seasonal high water table is less than twenty-four (24) inches, drainage must be installed in accordance with section 63 of this rule. For elevated sand mound systems, if the depth of the seasonal high water table is less than twenty (20) inches below the ground surface, drainage must be installed in accordance with section 59 of this rule.

<sup>&</sup>lt;sup>3</sup>See Sections 62(a)(2)(E), 78(b)(6), 79(b)(3)(B), 79(c)(3)(B), 79(d)(2)(B) and 80(b)(5).